

Model Test Paper 48  
General Study Paper II

---

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

---

TEST BOOKLET  
GENERAL STUDIES  
Paper-II

D

Time Allowed : Two Hours

Maximum Marks : 200

---

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE TEST BOOKLET *DOES NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate place in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside . *DO NOT* write *anything else* on the Test Booklet.
4. This Test Booklet contains **80** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
5. You have to mark all your responses *ONLY* on the separate Answer Sheet provided.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator only the *Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong Answers :**  
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.  
(i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.  
(ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.  
(iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

---

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

---

**Model Test Paper 48**  
**General Study Paper II**

<p>Mapping surface rocks is the first stage in modern oil exploration. By studying the rocks on the surface, geologists can guess at the structure of the rocks beneath the surface. Another method that helps them do this is to use an instrument called a gravimeter. This measures the slight differences in the gravitational force at different points on the surface of the Earth. The denser rocks have a greater gravitational attraction than the lighter rocks in the surface layers. By taking gravimeter readings at a number of places along the surface, it is possible to "map" the density of the rocks below, thus helping to find oil.</p> <p>1. According to the passage,</p> <p>(a) the rocks should be cracked first to drill oil</p> <p>(b) the rocks underneath the soil are spotted by the help of gravimeter</p> <p>(c) by examining the rocks, geologists find the coal</p> <p>(d) gravimeter is only used in the mountainous places to locate oil reservations</p> <p>2. Rocks</p> <p>(a) which have the denser gravitational force have more oil than the lighter ones</p> <p>(b) can be located by studying structure of the soil</p> <p>(c) can be found at different parts of the Earth</p> <p>(d) are first studied so as to locate the oil reservations</p> <p>3. It could be drawn out of the passage that</p> <p>(a) gravimeter readings are denser on the surface</p> <p>(b) oil exploration needs some steps to be taken before drilling</p> <p>(c) to be sure whether it's rocky, geologists use gravitational force</p> <p>(d) the bigger rocks absorb the gravitational force</p> <p>We hardly ever notice the mixture of gases that surround us. We only realize it if there is a strong wind, or when fog or smog cuts off our view into the distance. Yet we depend on the air in many ways. It provides the oxygen that we breathe. Plants, on which all animals depend for food, could not live without the carbon dioxide in the air. And it is a barrier, hundreds of miles deep, protecting</p>	<p>us from the burning ultra-violet rays of the sun. Fast-moving pieces of stone called meteoroids are burnt up when they enter the atmosphere from space, before they can reach the ground. And cosmic rays, which are made up of fragments of atoms traveling from distant parts of space, are slowed down before they can do damage.</p> <p>4. It is obvious in the passage that we</p> <p>(a) nearly are not aware of the combination of gases in nature</p> <p>(b) do not depend on the air due to its complexities</p> <p>(c) are unconscious that there is strong wind around us</p> <p>(d) have no inclinations to learn something more about air</p> <p>5. It is stated in the passage that air</p> <p>(a) provides us with carbon dioxide</p> <p>(b) enables the plants to get enough oxygen to breathe</p> <p>(c) is vital both for human beings and plants</p> <p>(d) makes it difficult to protect us from ultra-violet rays of the sun</p> <p>6. Meteoroids</p> <p>(a) cannot reach the ground as they are</p> <p>(b) are made of pieces of atoms</p> <p>(c) have great power to protect us from cosmic rays</p> <p>(d) travel from distant parts of space</p> <p>There are many times when someone suffering from either mental illness or depression may not even realize there is a problem. I have suffered from depression myself. I was completely unaware of what was wrong with me, my family doctor pointed it out to me, as I did not have any one else around me that recognized the symptoms. It was hard for me to accept at first, but after having the hard facts placed in front of my face and understanding that it may get worse, I had no choice but to get help. A lot of people who suffer from such problems tend to be more alone than anyone realizes. I suspect that anyone who was unaware of their condition would probably be</p>
--	--

**Model Test Paper 48**  
**General Study Paper II**

<p>shocked, as I was, to have someone confront them about it. A good friend would confront them anyway, and hopefully they would seek help.</p> <p>7. It can be understood from the passage that</p> <p>(a) some doctors are unaware of their patients' problems</p> <p>(b) a lot of people have family doctors</p> <p>(c) mental illness is not a big problem today</p> <p>(d) people cannot easily realize their own mental illnesses</p> <p>8. Someone who is suffering from either mental illness or depression</p> <p>(a) should go to his family doctor</p> <p>(b) may give damage to other people</p> <p>(c) has to find his friends to talk about it</p> <p>(d) generally isn't aware of the condition</p> <p>9. The author seems to be suggesting that</p> <p>(a) large families generally have a family doctor</p> <p>(b) we cannot be aware of how much these ill people suffer</p> <p>(c) the people who are suffering from mental illness should go to doctors</p> <p>(d) there are a lot of people in our society who are suffering from mental illness</p> <p>Modern aircraft use many additional methods of navigation. The pilot plots his course on a flight plan before he takes off. After take-off, an altimeter tells his height or 'altitude' above the ground or water. Instruments controlled by gyroscopes show whether he is climbing or turning. Another instrument informs him of 'drift' from his chosen course. An automatic pilot can navigate the plane while he rests. Satellites in orbit around the Earth give him information about the weather and his position. When he lands, radio beacons guide him down to the runway.</p> <p>10. According to the passage,</p> <p>(a) satellites can guide a pilot whether he is ascending or descending</p>	<p>(b) gyroscopes are the devices which inform the pilot about weather conditions</p> <p>(c) the direction in which the pilot keeps going is determined before the flight</p> <p>(d) the position of the pilot is spotted long before take-off</p> <p>11. A pilot</p> <p>(a) uses many extra devices or gadgets to navigate the plane properly</p> <p>(b) is an automatic pilot who conducts the aircraft with the help of some devices</p> <p>(c) has nothing to do with the altitude since he can locate his position with help of longitudes</p> <p>(d) chooses his direction with the help of longitudes and latitudes</p> <p>12. It can be concluded from the passage that</p> <p>(a) an automatic pilot can direct the plane according to the radio signals</p> <p>(b) when the pilot lands, he has to know the altitude</p> <p>(c) an altimeter tells the pilot whether he is on the right direction or not</p> <p>(d) one instrument tells the pilot the deviation from the direction</p> <p>The stratosphere is a layer of the earth's atmosphere. It lies above the troposphere. It begins 10 miles above the equator and 6 miles above the earth's polar regions. Little moisture enters the stratosphere, so clouds are rare. Even though the stratosphere has complex wind systems, violent storms don't occur there. That's why airline pilots prefer to fly in the stratosphere. Temperatures increase with altitude in the stratosphere. The lower layer has a temperature of 28 degrees Fahrenheit. The upper layer has a temperature of about 67 degrees Fahrenheit. The upper part of the stratosphere is called the stratopause. The stratopause lies 30 miles above the earth's surface. The stratopause contains most of the atmosphere's ozone which shields humans and other living things from ultraviolet radiation from the sun.</p>
--	---

**Model Test Paper 48**  
**General Study Paper II**

<p>13. Stratosphere</p> <p>(a) is between stratopause and the earth</p> <p>(b) is preferred by the planes since it has a smooth air condition</p> <p>(c) consists of the ozone which keeps the stratosphere cool and smooth</p> <p>(d) has different levels above the equator and the polars due to air warmth</p> <p>14. It's stated in the passage that</p> <p>(a) the thickest layer of atmosphere is stratosphere</p> <p>(b) airplanes are unable to fly in the lower layer of atmosphere</p> <p>(c) the temperature in the stratosphere increases as the height increases</p> <p>(d) the stratopause also consists of the troposphere</p> <p>15. It's given in the passage that</p> <p>(a) clouds are rare above the polar regions</p> <p>(b) the highest layer of the atmosphere is stratopause</p> <p>(c) as there is very little humidity in the stratosphere it's impossible to see violent winds there</p> <p>(d) the ozone layer is mainly held in the stratosphere</p> <p>There are two ways of getting energy from nuclei. So one nuclei can break apart to release energy. This is called fission. Other nuclei can be put together to make a new nucleus, while giving out energy. We call this process fusion. Fission and fusion are different processes, but both produce enormous amounts of energy due to reaction. Fission is a simpler process than fusion, and was discovered earlier. The difficulties of controlling fusion to generate usable power have not yet been overcome. Today fission is still the main method of producing nuclear energy.</p> <p>16. According to the passage,</p> <p>(a) fusion is the most reliable way of obtaining nuclear energy</p>	<p>(b) today fission is more useful than fusion</p> <p>(c) overcoming the energy crises is generating nuclear energy</p> <p>(d) to break a nucleus apart, we need nuclear energy</p> <p>17. Fission and fusion</p> <p>(a) are different processes, but they emit profound amounts of energy</p> <p>(b) can break the nucleus of an atom apart</p> <p>(c) are based upon the energy emitted by nuclear reaction</p> <p>(d) are nuclear reactions which can be converted into each other</p> <p>18. It could be concluded that</p> <p>(a) fusion may one day also be used as much as fission</p> <p>(b) fusion was discovered earlier, but it's used less</p> <p>(c) fusion is not as much difficult as fission</p> <p>(d) breaking the nuclei apart requires more energy than uniting the nuclei</p> <p>By the time a child is six or seven she has all the essential avoidances well enough by heart to be trusted with the care of a younger child. And she also develops a number of simple techniques. She learns to weave firm square balls from palm leaves, to make pinwheels of palm leaves or frangipani blossoms, to climb a coconut tree by walking up the trunk on flexible little feet, to break open a coconut with one firm well-directed blow of a knife as long as she is tall, to play a number of group games and sing the songs which go with them, to tidy the house by picking up the litter on the stony floor, to bring water from the sea, to spread out the copra to dry and to help gather it in when rain threatens, to go to a neighboring house and bring back a lighted faggot for the chief's pipe or the cook-house fire.</p> <p>But in the case of the little girls all these tasks are merely supplementary to the main business of baby-tending. Very small boys also have some care of the younger children, but at eight or nine years of age they are usually relieved of it. Whatever rough edges have not been smoothed off by this responsibility for younger children are worn off by their contact with older boys.</p>
---	--

**Model Test Paper 48**  
**General Study Paper II**

<p>For little boys are admitted to interesting and important activities only so long as their behavior is circumspect and helpful. Where small girls are brusquely pushed aside, small boys will be patiently tolerated and they become adept at making themselves useful. The four or five little boys who all wish to assist at the important, business of helping a grown youth lasso reef eels, organize themselves into a highly efficient working team; one boy holds the bait, another holds an extra lasso, others poke eagerly about in holes in the reef looking for prey, while still another tucks the captured eels into his lavalava.</p> <p>The small girls, burdened with heavy babies or the care of little staggerers who are too small to adventure on the reef, discouraged by the hostility of the small boys and the scorn of the older ones, have little opportunity for learning the more adventurous forms of work and play. So while the little boys first undergo the chastening effects of baby-tending and then have many opportunities to learn effective cooperation under the supervision of older boys, the girls' education is less comprehensive. They have a high standard of individual responsibility, but the community provides them with no lessons in cooperation with one another. This is particularly apparent in the activities of young people: the boys organize quickly; the girls waste hours in bickering, innocent of any technique for quick and efficient cooperation.</p> <p>19. The primary purpose of the passage with reference to the society under discussion is to</p> <p>(a) explain some differences in the upbringing of girls and boys</p> <p>(b) criticize the deficiencies in the education of girls</p> <p>(c) give a comprehensive account of a day in the life of an average young girl</p> <p>(d) delineate the role of young girls</p> <p>20. The word 'brusquely' most nearly means</p> <p>(a) quickly</p> <p>(b) gently</p> <p>(c) nonchalantly</p> <p>(d) abruptly</p>	<p>21. The list of techniques in paragraph one could best be described as</p> <p>(a) household duties</p> <p>(b) rudimentary physical skills</p> <p>(c) important responsibilities</p> <p>(d) useful social skills</p> <p>22. It can be inferred that the 'high standard of individual responsibility' is</p> <p>(a) developed mainly through child-care duties</p> <p>(b) only present in girls</p> <p>(c) taught to the girl before she is entrusted with babies</p> <p>(d) actually counterproductive</p> <p>23. The expression 'innocent of' is best taken to mean</p> <p>(a) not guilty of</p> <p>(b) unskilled in</p> <p>(c) unsuited for</p> <p>(d) uninvolved in</p> <p>24. It can be inferred that in the community under discussion all of the following are important except</p> <p>(a) domestic handicrafts</p> <p>(b) well-defined social structure</p> <p>(c) fishing skills</p> <p>(d) formal education</p> <p>25. Which of the following if true would weaken the author's contention about 'lessons in cooperation'?</p> <p>I Group games played by younger girls involve cooperation</p> <p>II Girls can learn from watching boys cooperating</p> <p>III Individual girls cooperate with their mothers in looking after babies</p> <p>(a) I only</p>
---	--

**Model Test Paper 48**  
**General Study Paper II**

<p>(b) II only (c) III only (d) I and II only</p> <p>26. Which of the following is the best description of the author's technique in handling her material?</p> <p>(a) Both description and interpretation of observations (b) Presentation of facts without comment (c) Description of evidence to support a theory (d) Generalization from a particular viewpoint. E. Close examination of preconceptions</p> <p>I chose to wander by Bethlehem Hospital; partly, because it lay on my road round to Westminster; partly, because I had a fancy in my head which could be best pursued within sight of its walls. And the fancy was: Are not the sane and the insane equal at night as the sane lie a dreaming? Are not all of us outside this hospital, who dream, more or less in the condition of those inside it, every night of our lives? Are we not nightly persuaded, as they daily are, that we associate preposterously with kings and queens, and notabilities of all sorts?</p> <p>Do we not nightly jumble events and personages and times and places, as these do daily? Said an afflicted man to me, when I visited a hospital like this, 'Sir, I can frequently fly.' I was half ashamed to reflect that so could I - by night. I wonder that the great master, when he called Sleep the death of each day's life, did not call Dreams the insanity of each day's sanity.</p> <p>27. It can be correctly inferred that Bethlehem hospital</p> <p>I is very close to Westminster II has patients who are regarded as insane III is a place the author has visited before</p> <p>(a) I only (b) II only (c) III only (d) I and II</p>	<p>28. The author makes his point with the aid of all of the following except</p> <p>(a) rhetorical questions (b) personal anecdote (c) allusion (d) frequent use of metaphor</p> <p>Now, it is clear that the decline of a language must ultimately have political and economic causes: it is not due simply to the bad influence of this or that individual writer. But an effect can become a cause, reinforcing the original cause and producing the same effect in an intensified form, and so on indefinitely. A man may take to drink because he feels himself to be a failure, and then fail all the more completely because he drinks. It is rather the same thing that is happening to the English language. It becomes ugly and inaccurate because our thoughts are foolish, but the slovenliness of our language makes it easier for us to have foolish thoughts.</p> <p>29. The example of the man who takes to drink is used to illustrate which of the following ideas in the paragraph?</p> <p>(a) foolish thoughts (b) the slovenliness of language (c) political and economic causes (d) an effect becoming a cause</p> <p>30. The author would most likely agree that</p> <p>(a) individual writers can never have a bad influence on the English language (b) imprecise use of language is likely to make precise thought more difficult (c) the English language is ugly and inaccurate (d) all language declines for political reasons</p> <p>The use of work animals began long before humankind started to practice agriculture. The use of animal power is now considered by many people to be archaic and inefficient. Yet, despite the more than 50 years spent promoting tractorization in developing countries, the development gap between industrialized-countries and those with weak, highly dependent economies has increased.</p>
---	--

**Model Test Paper 48**  
**General Study Paper II**

<p>Moreover, the use of current production models, which are more critically dependent on fossil fuel, cannot be considered universally feasible. Alternative energy sources such as the effective use of work animals must urgently be established. Animals not only provide the means by which millions of families make a living, but they also contribute to ecologically and socially acceptable production systems. Moreover, the efficiency of their energy inputs into crop production is higher than that of machines. The rational use of work animals has the potential to contribute, specifically, to the living conditions and security of small-scale subsistence farmers.</p> <p>31. The writer maintains that the use of animal power</p> <p>(a) is not acceptable for small-scale subsistence farmers</p> <p>(b) has never been more widespread and accepted before than it is today</p> <p>(c) has not been practiced for nearly 50 years now</p> <p>(d) should be encouraged as an alternative to existing energy sources</p> <p>32. According to the passage, we can say that small-scale subsistence farmers</p> <p>(a) urge for ecologically and socially acceptable production systems</p> <p>(b) favour the policy of tractorization despite the disadvantages</p> <p>(c) will particularly be positively affected by the use of work animals</p> <p>(d) do not use the production models that rely on fossil fuel</p> <p>33. It is pointed out in the passage that supporting tractorization in developing countries</p> <p>(a) is not possible as the governments are not in favour of it</p> <p>(b) will lead to increased outputs in near future</p> <p>(c) did not help them get closer to industrialized ones</p> <p>(d) was popular in relatively few countries fifty years ago</p>	<p>The Emperor Penguin is a penguin that lives in Antarctica. It is the tallest and heaviest penguin. Emperor Penguins are black and white like all penguins but the sides of their neck are golden. Emperors live in the coldest climate on earth. They breed at the beginning of the Antarctic winter (March and April), on the ice all around the Antarctic continent. The shape of their body helps them to survive. They have short wings that help them to dive up to 900 feet to catch larger fish. They can swim up to 12 miles per hour for a short time, which lets them escape from their main enemy, the Leopard Seal. They can stay warm because they have a thick layer of blubber. In addition, the layer of soft feathers trap air that keeps the body heat in and cold air and water out.</p> <p>34. It can be understood from the passage that the physical features of the Emperor Penguins</p> <p>(a) are quite similar to those of the Leopard Seal</p> <p>(b) should be examined more closely by the scientists</p> <p>(c) let them stay alive in one of the harshest climatic conditions of the world</p> <p>(d) make them by far the strongest of the animals living in Antarctica</p> <p>35. One can understand from the passage that Emperor Penguins</p> <p>(a) spend most of their time swimming under the water</p> <p>(b) present certain differences from other penguin species</p> <p>(c) are killed by humans due to their spectacular feathers</p> <p>(d) can hardly ever catch larger fish</p> <p>36. It is emphasized in the passage that Emperor Penguins ---- as they have a thick layer of blubber and a layer of soft feathers</p> <p>(a) can swim long distances to catch prey</p> <p>(b) are easy to see any time of the day</p> <p>(c) are not affected negatively by the cold weather</p> <p>(d) can stay out of the water for a long time</p>
---	--

**Model Test Paper 48**  
**General Study Paper II**

<p>37. Worker A takes 8 hours to do a job. Worker B takes 10 hours to do the same job. How long should it take both A and B, working together but independently, to do the same job?</p> <p>(a) <math>2 \times \frac{4}{9}</math> (b) <math>4 \times \frac{4}{9}</math> (c) <math>5 \times \frac{4}{9}</math> (d) <math>4 \times \frac{2}{9}</math></p> <p>38. The cost of the paint is Rs. 36.50 per kg. If 1 kg of paint covers 16 squares feet, how much will it cost to paint outside of a cube having 8 feet each side?</p> <p>(a) Rs. 692 (b) Rs. 768 (c) Rs. 876 (d) Rs. 972</p> <p>39. Along a yard 225 metres long, 26 trees are painted at equal distances, one tree being at each end of the yard. What is the distance between two consecutive trees?</p> <p>(a) 9 metres (b) 12 metres (c) 15 metres (d) 18 metres</p> <p>40. A certain amount earns simple interest of Rs. 1750 after 7 years. Had the interest been 2% more, how much more interest would it have earned?</p> <p>(a) Rs. 35 (b) Rs. 245 (c) Rs. 350 (d) D. cannot be determined</p>	<p>41. The cost of the paint is Rs. 36.50 per kg. If 1 kg of paint covers 16 squares feet, how much will it cost to paint outside of a cube having 8 feet each side?</p> <p>(a) Rs. 692 (b) Rs. 768 (c) Rs. 876 (d) Rs. 972</p> <p>42. BAS, ?, DCQ, DDP, FEO</p> <p>(a) CBT (b) ABR (c) BCT (d) BBR</p> <p>43. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man?</p> <p>(a) Sister (b) Daughter (c) Mother (d) Grand daughter</p> <p>44. Five bears – Jinan, Knot, Lee, Mushu and Nee-Hau – are kept in three adjacent rooms numbered 1-3 from left to right. There is at least one bear in each room. Knot is in a room to the left of Lee's. Mushu and Nee-Hau are not kept in the same room. Either Mushu or Jinan, but not both, are kept in room 2. Nee-Hau is kept in room 3. Which one of the following pairs could be the only occupants of a single room? explanation</p> <p>(a) Jinan, Knot (b) Knot, Nee-Hau (c) Mushu, Jinan (d) Lee, Knot</p>
--	---



**Model Test Paper 48**  
**General Study Paper II**

<p>45. Each country was visited by at least one of the travellers. Each traveller visited either two or three different countries. Only one traveller visited Qatar. Every traveller who visited Mauritania went to Nepal as well. A traveller who visited Qatar did not visit Peru. John visited all of the countries Kate did. If Lenny did not travel to Qatar, then which one of the following CANNOT be true? explanation</p> <p>(a) Lenny travelled to Peru</p> <p>(b) Lenny travelled to Oman</p> <p>(c) John travelled to Mauritania</p> <p>(d) Kate travelled to three different countries</p> <p>46. People often become trapped in a vicious cycle of sleep deprivation, perhaps because of an urgent project at work. A paradoxical effect of sleep deprivation is that the more tired people get, the less tired they feel, since the body learns to function on fewer hours of sleep. Therefore, when the project is done and from that night on they go back to sleeping the recommended number of hours per night, they suffer from the negative effects of "sleep-bingeing" as if they have overslept. "Sleep-bingeing" can result in a foggy brain and migraine headaches. Which one of the following conclusions can be drawn from the passage?</p> <p>(a) They are bound to feel less tired after getting the amount of recommended sleep than when they were sleep deprived</p> <p>(b) They cannot go back to sleeping the recommended number of hours per night without experiencing the negative effects</p> <p>(c) They should add hours of sleep gradually over a period of several days or a week</p> <p>(d) They should set a permanent number of hours of sleep that is midway between those of sleep deprivation and of sleep-bingeing</p> <p>47. The hospital's nutritionists decided that they would no longer serve patients foods containing raw eggs, such as chocolate mousse, since raw eggs could infect patients with salmonella. The nutritionists, however, felt secure that they could safely continue to serve patients foods containing cooked eggs, such as omelets. Nonetheless, the hospital has still experienced outbreaks of salmonella, but now, all of the hospital's</p>	<p>salmonella cases occurred after patients had eaten cooked eggs. This indicates that, contrary to popular opinion, eating raw eggs is not more dangerous than eating cooked eggs. Which one of the following identifies the flaw in the above argument?</p> <p>(a) It overlooks the possibility that some strains of salmonella primarily infect raw eggs</p> <p>(b) It bases its conclusion on a group of people who are already ill</p> <p>(c) It does not consider the fact that the source of the salmonella could be infected kitchen equipment and not eggs</p> <p>(d) It fails to take into account the possibility that the number of cases of salmonella would increase significantly if patients ate raw eggs</p> <p>48. Young children who grow up in spotless, pristine homes increase their chances of suffering from eczema and wheezing by the age of three. Young children who grow up in musty old houses, on the other hand, have low susceptibility to eczema, wheezing and common allergies. If homes were dusted and cleaned less, fewer young children would suffer from common allergies. Which one of the following identifies the flaw in the argument above?</p> <p>(a) It ignores the fact that millions of young children never have common allergies</p> <p>(b) It assumes that the children living in musty houses are less susceptible to irritants that encourage allergies</p> <p>(c) It overlooks the possibility that some children from musty old homes do succumb to breathing difficulties</p> <p>(d) It implies that the occurrence of eczema, wheezing and common allergies is causally related to sanitized homes</p>
--	--

**Model Test Paper 48**  
**General Study Paper II**

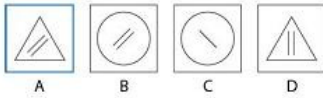
<p>49. Some constrictor species of snake are highly fecund, that is, they are capable of producing up to 100 hatchlings in one nest. All of these highly fecund snakes prey on native birds. Constrictors captured recently contained remains of small birds in their stomachs. Hence, it follows that this constrictor species is one that is highly fecund. Which one of the following best identifies the flaw in the above reasoning?</p> <p>(a) It assumes that native birds are the only prey of the constrictors captured recently</p> <p>(b) It concludes without basis that a snake is not fecund if it does not produce up to 100 hatchlings at a time</p> <p>(c) It mistakenly assumes that the hatchlings of the constrictor species that prey on native birds will, in turn, also prey on native birds</p> <p>(d) It surmises that no other constrictor species prey on native birds</p> <p>50. When a devastating earthquake hit Haiti in 2010 and United Nations aid workers returned from a three-month stint in the Haitian capital Port au Prince, they reported on the recuperation efforts but omitted any mention of the fact that Haiti's system of using children as indentured servants is still maintained. The omission cannot simply be the result of ignorance regarding restavek. This tradition is not even mentioned in the official U.N. aid report on Haiti written by the chair of the aid committee UNAID at the end of the committee's tour of duty. The omission therefore has to have a psychological cause. Which one of the following, if true, most strengthens the above argument?</p> <p>(a) The tradition of restavek would not have been openly demonstrated by native Haitians in front of the United Nations aid workers who were sure to disapprove</p> <p>(b) The chair of UNAID considered evidence regarding the ongoing practice of restavek irrelevant in a report to the UN on the earthquake disaster relief effort</p> <p>(c) Using children as indentured servants is a tradition that is maintained today mostly in Haiti's urban areas where workers are most needed</p> <p>(d) The chair shared a tent with an aid worker who had been given a restavek, a child servant, as a gift by a Haitian family, in gratitude for the assistance they received</p>	<p>51. It would cost Hamilton Inc. two million dollars to stop the leakage of minute amounts of dangerous chemicals into its plant. In the year after completion of those repairs, however, Hamilton Inc. would thereby avoid incurring three million dollars worth of damages, since currently Hamilton Inc. pays that amount annually in compensation for health problems said to be caused by the chemical fumes. Which of the following, if true, gives the strongest support to the argument above?</p> <p>(a) Companies similar to Hamilton Inc. also pay compensation for health damages caused by fumes</p> <p>(b) After leaky Hamilton Inc. equipment has been repaired, several years will elapse before that the equipment begins to leak again</p> <p>(c) Hamilton Inc. would need to raise their prices to consumers if it were to spend two million dollars in one year on repairs</p> <p>(d) The number of sick days Hamilton's employees take can vary widely from year to year</p> <p>52. Two pipes can fill a tank in 20 and 24 minutes respectively and a waste pipe can empty 3 gallons per minute. All the three pipes working together can fill the tank in 15 minutes. The capacity of the tank in gallons is</p> <p>(a) 100</p> <p>(b) 110</p> <p>(c) 120</p> <p>(d) 140</p> <p>53. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?</p> <p>(a) 10</p> <p>(b) 13</p> <p>(c) 14</p> <p>(d) 15</p>
--	---

**Model Test Paper 48**  
**General Study Paper II**

<p>54. Anil does a work in 90 days, Bittu in 40 days and Chintu in 12 days. They work one after another for a day each, starting with Anil followed by Bittu and then by Chintu. If the total wages received are Rs 360 and Anil, Bittu, Chintu share them in the ratio of the work done, find their respective individual wages.</p> <p>(a) Rs 40, Rs 60 and Rs 260 (b) Rs 36, Rs 81 and Rs 243 (c) Rs 42, Rs 86 and Rs 232 (d) Rs 38, Rs 88 and Rs 234</p> <p>55. There are 12 pipes attached to a tank. Some of them are fill pipes and some are drain pipes. Each of the fill pipes can fill the tank in 12 hours, while each of the drain pipes will take 24 hours to drain a full tank completely. If all the pipes are kept open when the tank was empty, it takes 2 hours for the tank to overflow. How many of these pipes are drain pipes?</p> <p>(a) 6 (b) 11 (c) 4 (d) 7</p> <p>56. Rajesh walks to and fro to a shopping mall. He spends 30 minutes shopping. If he walks at speed of 10 km an hour, he returns to home at 19.00 hours. If he walks at 15 km an hour, he returns to home at 18.30 hours. How fast must he walk in order to return at 18.15 hours?</p> <p>(a) 17 km/hr (b) 18 km/hr (c) 19 km/hr (d) 20 km/hr</p> <p>57. P beats Q by 5 seconds in a race of 1000m and Q beats R by 5 metres in a race of 100m. By how many seconds does P beats R in a race of 1000 m?</p> <p>(a) 5 sec (b) 7 sec (c) 10 sec (d) Cannot be determined</p>	<p>58. A passenger train covers the distance between stations X and Y, 50 minutes faster than a goods train. Find this distance if the average speed of the passenger train is 60 kmph and that of goods train is 20 kmph</p> <p>(a) 20 kms (b) 25 kms (c) 45 kms (d) 40 kms</p> <p>59. Two cities, A and B, at a distance of 50 km, are connected by two separate roads. The speed of any vehicle traveling between the two cities on road 1 is 50 km/hr, while the speed on road 2 is <math>(80/n)</math> km/hr, where n is the number of vehicles (including the concerned vehicle). If you travel in a vehicle from A to B on road 1 and come back from B to A on road 2 (where there are already three vehicles plying), your approximate average speed is</p> <p>(a) 26 km/hr (b) 29 km/hr (c) 32 km/hr (d) 35 km/hr</p> <p>60. If a man cycles at 10 km/hr, then he arrives at a certain place at 1 p.m. If he cycles at 15 km/hr, he will arrive at the same place at 11 a.m. At what speed must he cycle to get there at noon?</p> <p>(a) 11 km/hr (b) 12 km/hr (c) 13 km/hr (d) 14 km/hr</p> <p>61. In an election contested by two parties, Party D secured 12% of the total votes more than Party R. If party R got 132,000 votes, by how many votes did it lose the election?</p> <p>(a) 300,000 (b) 168,000 (c) 36,000 (d) 24,000</p>
--	---

**Model Test Paper 48**  
**General Study Paper II**

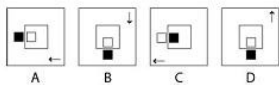
62.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

63.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

64. A van is able to transport 0.8 metric tons of confidential documents when fully laden. A corporate headquarters needs to transport 29 metric tons of confidential documents. If the van can make two journeys per day, how many days will it take to transport all the documents?

(a) 17 days

(b) 18 days

(c) 19 days

(d) 20 days

65. One Japanese Yen is valued at 0.0066 British Pounds. One British Pound is valued at 1.57 dollars. What is the value of 1,250,000 Japanese Yen in US dollars?

(a) 9,954.50

(b) 10,956.50

(c) 11,785.50

(d) 12,952.50

66. 50 kg of sugar juice can be extracted from 100 kg of sugarcane, which is used to produce sugar. Of this sugar juice, 22% is pure sugar and can be extracted. Using 10 metric tons of sugarcane, how much sugar can be produced? (1 metric ton = 1,000 kg)

(a) 900kg

(b) 1,000kg

(c) 1,100kg

(d) 1,200kg

67. A commodities trader purchased 2.5 metric tons of Zinc at the market price of \$1,823.50 per metric ton. Three weeks later, the price per ton of zinc rose to \$2,018.50. If the trader charges a 15% commission fee on all profits generated, how much commission will the trader have earned?

(a) 67.52

(b) 70.54

(c) 73.13

(d) 76.25

**Model Test Paper 48**  
**General Study Paper II**

68. A vendor sells 60 percent of apples he had and throws away 15 percent of the remainder. Next day he sells 50 percent of the remainder and throws away the rest. What percent of his apples does the vendor throw?

- (a) 17
- (b) 23
- (c) 77
- (d) None of these

69. Find the missing number:  
24, 29, 36, 41, ?, 53

- (a) 48
- (b) 47
- (c) 45
- (d) 46

70. Find the missing number:  
5153, 5167, ?, 5206, 5219

- (a) 5181
- (b) 5167
- (c) 5159
- (d) 5186

71. Find the missing number:  
37, 28, 20, ?, 7

- (a) 11
- (b) 16
- (c) 15
- (d) 13

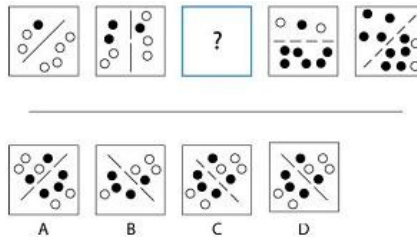
72. 30% of the men are more than 25 years old and 80% of the men are less than or equal to 50 years old. 20% of all men play football. If 20% of the men above the age of 50 play football, what percentage of the football players are less than or equal to 50 years?

- (a) 15%
- (b) 20%
- (c) 80%
- (d) 70%

73. A bag contains 3 white balls and 2 black balls. Another bag contains 2 white and 4 black balls. A bag and a ball are picked random. The probability that the ball will be white is

- (a)  $\frac{7}{11}$
- (b)  $\frac{7}{30}$
- (c)  $\frac{5}{11}$
- (d)  $\frac{7}{15}$

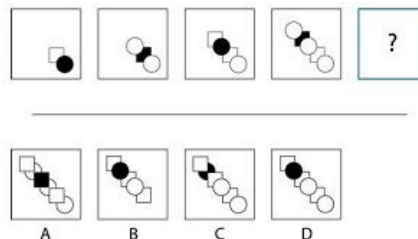
74.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

75.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

**Model Test Paper 48**  
**General Study Paper II**

76.

Australia's economic growth slows down in second quarter, say economists. Annual economic growth in Australia has begun to slow as demand for natural resources slows around the world. Decreased growth in key developing countries such as China and India has taken its toll on the Australian economy, which is heavily based on the mining sector. Similarly commodity prices such as iron ore have also fallen in recent months, negatively affecting Australian mining company profits. A knock on effect of this is decreased investment in the Australian mining sector, hurting investment in the country. It is believed that this decline in demand for natural resources will continue throughout the year, and Australian economic growth is not likely to increase for some time.

Which one of the following statements is not correct?

- (a) Australian mining company profits have been negatively affected
- (b) The price of iron ore has fallen
- (c) Increased growth in developing countries is to blame
- (d) Investment into Australia has been hurt

77.

What is the reason behind the traditional red, white and green of the Christmas period? A professor at Cambridge University has set out to question the popular idea that the Victorians are to thank for the colour coding of the festive season. The research, which began in 2009, looks at the possible influence of medieval wooden art and the traditional decorations that can still be found in churches today.

According to popular belief, why do we associate red, white and green with the festive period?

- (a) We associate these colours due to the Victorians
- (b) We associate these colours due to Coca-Cola
- (c) We associate these colours due to medieval wooden art
- (d) We associate these colours due to traditional decorations

78.

The price of gold has increased by almost thirty-five percent across the globe over the last year. As a result, previously abandoned gold mines, which were once seen as financially unviable, have been re-opened. An example of this can be seen at the southern Indian state of Karnataka, where companies are re-opening gold mines as even low grade ore becomes valuable. India is currently the largest consumer of gold globally; however, the majority of this demand is currently met by import. Commentators question whether this trend will continue as more and more abandoned mines are re-opened.

Which of the following statements is definitely correct?

- (a) India's demand for gold is increasing
- (b) It is uncertain if India's demand for gold will continue
- (c) The majority of India's demand for gold is met by import
- (d) India's demand for imported gold is increasing

79.

The outlook for Ireland's economy looked bleak at the end of 2011, as the Central Statistics Office (CSO) announced that the nation's economy had shrunk by three percent. Economists suggest that this is the result of the Irish government's austerity measures, which have knocked consumer confidence and reduced spending. Not all parts of the Irish economy have suffered, however, as agricultural exports are up by ten percent. The worst affected industry is that of construction, which recorded a record drop of twenty-five percent.

What part of the Irish economy is worst hit?

- (a) Agricultural exports
- (b) Agricultural imports
- (c) The construction industry
- (d) Consumer confidence

**Model Test Paper 48**  
**General Study Paper II**

80.

The International Monetary Fund (IMF) has announced plans to give the Republic of Ireland a further loan of four billion pounds over the next three years. This announcement comes as the Irish economy shows signs of stabilizing after new spending cuts were recently implemented. In addition to spending cuts, a rise in tax has also been announced. This would take the level of tax in the Republic of Ireland to twenty nine percent, forcing some members of the Dail (Irish Parliament) to voice concerns that shoppers will go to the North instead. A cut in the number of public service workers is also expected.

Which of the following statements is definitely correct?

- (a) More Irish shoppers are going to the North instead
- (b) The Republic of Ireland does not expect the loan back
- (c) Public sector jobs made up the majority of the cuts
- (d) The Irish economy shows signs of stabilizing

Model Test Paper 48  
General Study Paper II

Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	64	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	65	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	67	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	68	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	69	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	70	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	71	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	72	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	73	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	74	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	75	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	76	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	37	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	77	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	38	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	78	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	39	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	79	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>